

Systems and Methods with Integrated GPS and Dead Reckoning Capabilities

Abstract of the Disclosure

Systems and methods are provided for complementary navigation devices with various integrated positioning functionality. The navigation method includes providing a first navigation device. The first navigation device includes a triangulation positioning functionality. The method includes providing a second navigation device adapted to communicate with the first navigation device. The second navigation device includes one or more dead reckoning positioning components. The method further includes resolving a position of the first and the second navigation devices. Resolving the position includes using the one or more dead reckoning positioning components in complement to the triangulation positioning functionality to determine the position when the triangulation positioning functionality is degraded.